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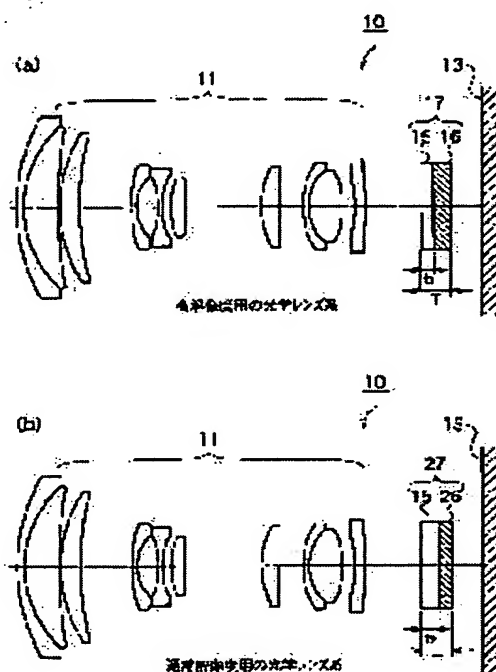
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(54) SHARED OPTICAL LENS SYSTEM AND SHARED ATTACHMENT METHOD FOR OPTICAL LENS SYSTEM

(57)Abstract:

PROBLEM TO BE SOLVED: To provide an optical lens system which can be shared by the mega CCD of a high resolution and a regular CCD having a normal resolution by simple constitution.

SOLUTION: A shared optical lens system used in the image pickup device of an optional resolution includes: a lens system constituted of a plurality of lens groups and having a fixed focus distance; and an exchangeable optical low-pass filter inserted between the lens system and the image pickup surface of the image pickup device. The optical low-pass filter has a fixed thickness regardless of the resolution of the image pickup device to be used, and is constituted of (a) the crystal lens of thickness decided proportionally to a pixel pitch defining the resolution of the image pickup device and (b) an infrared cut filter having the thickness for compensating the change portion of the thickness of the crystal lens and also having prescribed light transmission characteristics (IR cut characteristics).



LEGAL STATUS

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